

Inventors: Zapata and Reed
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8. (Amended) An isolated anti-TPBD antibody having specific reactivity with TRAF-Protein-Binding-Domain (TPBD) amino acid sequence SEQ ID NO:19.

9. (Amended) An antibody according to claim 8 or 74, wherein said antibody is a monoclonal antibody.

11. (Amended) An antibody according to claim 8 or 74, wherein said antibody is a polyclonal antibody.

46. (Amended) A therapeutic composition comprising an isolated anti-TPBD antibody having specific reactivity with a TPBD amino acid sequence selected from the group consisting of SEQ ID NOS:8, 12, 19, 20, 21, 22, 23, 24 and 25; and a pharmaceutically acceptable carrier.

68. (Amended) An isolated anti-TPBD antibody having specific reactivity with a TRAF protein binding site of a TPBD amino acid sequence selected from the group consisting of SEQ ID NOS:8, 12, 19, 20, 21, 22, 23, 24 and 25.

69. (Amended) An isolated anti-TPBD antibody having specific reactivity with a TPBD amino acid sequence selected from the group consisting of SEQ ID NOS:8, 12, 19, 20, 21, 22, 23, 24 and 25, wherein said antibody modulates the association of a TPBD with a TNF family receptor, TRAF protein or a TRAF-associated protein.

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70. (Amended) The isolated anti-TPBD antibody of claim 69, wherein said TNF family receptor is TNF-R2, said TRAF protein is human TRAF6 and said TRAF-associated protein is I-TRAF.

71. (Amended) The isolated anti-TPBD antibody of claim 69, wherein said TNF family receptor is CD40, said TRAF protein is human TRAF2 and said TRAF-associated protein is I-TRAF.

72. (Amended) The isolated anti-TPBD antibody of claim 69, wherein said antibody inhibits the association of said TPBD with said TNF family receptor, TRAF protein or a TRAF-associated protein.

73. (Amended) The isolated anti-TPBD antibody of claim 69, wherein said antibody increases the association of said TPBD with said TNF family receptor, TRAF protein or a TRAF-associated protein.

Please add new claims 74 to 83:

--74. (New) The isolated anti-TPBD antibody of claim 8, wherein said antibody has specific reactivity with a TPBD amino acid sequence selected from the group consisting of SEQ ID NOS: (20), 21 and 22.

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75. (New) An isolated anti-TPBD antibody having specific reactivity with a TPBD amino acid sequence selected from the group consisting of SEQ ID NOS:8, 12, 23, 24 and 25.

76. (New) The isolated anti-TPBD antibody of claim 75, wherein said antibody has specific reactivity with SEQ ID NO:8.

77. (New) The isolated anti-TPBD antibody of claim 75, wherein said antibody has specific reactivity with SEQ ID NO:12.

78. (New) The isolated anti-TPBD antibody of claim 75, wherein said antibody has specific reactivity with SEQ ID NO:23.

79. (New) The isolated anti-TPBD antibody of claim 75, wherein said antibody has specific reactivity with SEQ ID NO:24.

80. (New) The isolated anti-TPBD antibody of claim 75, wherein said antibody has specific reactivity with SEQ ID NO:25.

81. (New) Antibody according to claim 75, wherein said antibody is a monoclonal antibody.

82. (New) A cell line producing the monoclonal antibody of claim 81.

83. (New) An antibody according to claim 75, wherein said antibody is a polyclonal antibody.--